

# Daniel Cw Tsang

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295  
papers

18,107  
citations

79  
h-index

118  
g-index

296  
ext. papers

24,482  
ext. citations

10.3  
avg, IF

7.74  
L-index

#	Paper	IF	Citations
295	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. <i>Chemosphere</i> , <b>2016</b> , 148, 276-91	8.4	703
294	Soil amendments for immobilization of potentially toxic elements in contaminated soils: A critical review. <i>Environment International</i> , <b>2020</b> , 134, 105046	12.9	352
293	Effect of pyrolysis temperature, heating rate, and residence time on rapeseed stem derived biochar. <i>Journal of Cleaner Production</i> , <b>2018</b> , 174, 977-987	10.3	316
292	Biochar application for the remediation of heavy metal polluted land: A review of in situ field trials. <i>Science of the Total Environment</i> , <b>2018</b> , 619-620, 815-826	10.2	310
291	A review of biochar-based catalysts for chemical synthesis, biofuel production, and pollution control. <i>Bioresource Technology</i> , <b>2017</b> , 246, 254-270	11	300
290	Conversion of biomass to hydroxymethylfurfural: A review of catalytic systems and underlying mechanisms. <i>Bioresource Technology</i> , <b>2017</b> , 238, 716-732	11	293
289	Multifunctional iron-biochar composites for the removal of potentially toxic elements, inherent cations, and hetero-chloride from hydraulic fracturing wastewater. <i>Environment International</i> , <b>2019</b> , 124, 521-532	12.9	287
288	Biochar technology in wastewater treatment: A critical review. <i>Chemosphere</i> , <b>2020</b> , 252, 126539	8.4	209
287	A critical review on sustainable biochar system through gasification: Energy and environmental applications. <i>Bioresource Technology</i> , <b>2017</b> , 246, 242-253	11	188
286	Mobility and phytoavailability of As and Pb in a contaminated soil using pine sawdust biochar under systematic change of redox conditions. <i>Chemosphere</i> , <b>2017</b> , 178, 110-118	8.4	185
285	Engineered/designer biochar for the removal of phosphate in water and wastewater. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 1242-1260	10.2	185
284	Heavy metal immobilization and microbial community abundance by vegetable waste and pine cone biochar of agricultural soils. <i>Chemosphere</i> , <b>2017</b> , 174, 593-603	8.4	184
283	Environmental transformations and ecological effects of iron-based nanoparticles. <i>Environmental Pollution</i> , <b>2018</b> , 232, 10-30	9.3	184
282	Fabrication and characterization of hydrophilic corn stalk biochar-supported nanoscale zero-valent iron composites for efficient metal removal. <i>Bioresource Technology</i> , <b>2018</b> , 265, 490-497	11	176
281	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. <i>Environment International</i> , <b>2019</b> , 126, 336-345	12.9	175
280	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , <b>2020</b> , 716, 137116	10.2	168
279	A green biochar/iron oxide composite for methylene blue removal. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121286	12.8	165

278	Assessment of sources of heavy metals in soil and dust at children's playgrounds in Beijing using GIS and multivariate statistical analysis. <i>Environment International</i> , <b>2019</b> , 124, 320-328	12.9	157
277	Internal phosphorus loading from sediments causes seasonal nitrogen limitation for harmful algal blooms. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 872-884	10.2	156
276	Valorization of biomass to hydroxymethylfurfural, levulinic acid, and fatty acid methyl ester by heterogeneous catalysts. <i>Chemical Engineering Journal</i> , <b>2017</b> , 328, 246-273	14.7	156
275	Organic contamination and remediation in the agricultural soils of China: A critical review. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 724-740	10.2	152
274	Biochar-supported nanoscale zero-valent iron as an efficient catalyst for organic degradation in groundwater. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121240	12.8	149
273	Effect of production temperature on lead removal mechanisms by rice straw biochars. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 751-758	10.2	148
272	Hydrothermal liquefaction of agricultural and forestry wastes: state-of-the-art review and future prospects. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1184-1193	11	147
271	Biochar composition-dependent impacts on soil nutrient release, carbon mineralization, and potential environmental risk: A review. <i>Journal of Environmental Management</i> , <b>2019</b> , 241, 458-467	7.9	145
270	Nanoparticle-plant interaction: Implications in energy, environment, and agriculture. <i>Environment International</i> , <b>2018</b> , 119, 1-19	12.9	143
269	Formation, characteristics, and applications of environmentally persistent free radicals in biochars: A review. <i>Bioresource Technology</i> , <b>2019</b> , 281, 457-468	11	142
268	Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. <i>Geoderma</i> , <b>2018</b> , 332, 100-108	6.7	142
267	Pyrolysis process of agricultural waste using CO <sub>2</sub> for waste management, energy recovery, and biochar fabrication. <i>Applied Energy</i> , <b>2017</b> , 185, 214-222	10.7	142
266	Lignin materials for adsorption: Current trend, perspectives and opportunities. <i>Bioresource Technology</i> , <b>2019</b> , 272, 570-581	11	141
265	Removal of hexavalent chromium in aqueous solutions using biochar: Chemical and spectroscopic investigations. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 1567-1573	10.2	139
264	High-performance materials for effective sorptive removal of formaldehyde in air. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 366, 452-465	12.8	139
263	Value-added chemicals from food supply chain wastes: State-of-the-art review and future prospects. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 121983	14.7	138
262	Microplastics as pollutants in agricultural soils. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114980	9.3	137
261	Assembling biochar with various layered double hydroxides for enhancement of phosphorus recovery. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 665-673	12.8	136

260	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123415	12.8	129
259	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , <b>2018</b> , 351, 418-427	14.7	128
258	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. <i>Bioresource Technology</i> , <b>2020</b> , 312, 123613	11	124
257	Microwave vacuum pyrolysis of waste plastic and used cooking oil for simultaneous waste reduction and sustainable energy conversion: Recovery of cleaner liquid fuel and techno-economic analysis. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 115, 109359	16.2	116
256	A review on biochar modulated soil condition improvements and nutrient dynamics concerning crop yields: Pathways to climate change mitigation and global food security. <i>Chemosphere</i> , <b>2019</b> , 227, 345-365	8.4	115
255	Fabrication and environmental applications of multifunctional mixed metal-biochar composites (MMBC) from red mud and lignin wastes. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 374, 412-419	12.8	114
254	A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils. <i>Science of the Total Environment</i> , <b>2018</b> , 616-617, 572-582	10.2	114
253	Advances in lignin valorization towards bio-based chemicals and fuels: Lignin biorefinery. <i>Bioresource Technology</i> , <b>2019</b> , 291, 121878	11	113
252	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136080	10.2	112
251	Synthesis of MgO-coated corncob biochar and its application in lead stabilization in a soil washing residue. <i>Environment International</i> , <b>2019</b> , 122, 357-362	12.9	111
250	Plenty of room for carbon on the ground: Potential applications of biochar for stormwater treatment. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 1644-1658	10.2	110
249	Corn straw-derived biochar impregnated with FeOOH nanorods for highly effective copper removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 191-201	14.7	110
248	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , <b>2018</b> , 190, 90-96	8.4	110
247	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 695-706	12.8	110
246	Microwave-assisted low-temperature hydrothermal treatment of red seaweed ( <i>Gracilaria lemaneiformis</i> ) for production of levulinic acid and algae hydrochar. <i>Bioresource Technology</i> , <b>2019</b> , 273, 251-258	11	108
245	Contamination of phthalate esters, organochlorine pesticides and polybrominated diphenyl ethers in agricultural soils from the Yangtze River Delta of China. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 670-6	10.2	106
244	Thallium pollution in China and removal technologies for waters: A review. <i>Environment International</i> , <b>2019</b> , 126, 771-790	12.9	103
243	Sustainable stabilization/solidification of municipal solid waste incinerator fly ash by incorporation of green materials. <i>Journal of Cleaner Production</i> , <b>2019</b> , 222, 335-343	10.3	102

242	The roles of biochar as green admixture for sediment-based construction products. <i>Cement and Concrete Composites</i> , <b>2019</b> , 104, 103348	8.6	101
241	Stabilization of cationic and anionic metal species in contaminated soils using sludge-derived biochar. <i>Chemosphere</i> , <b>2016</b> , 149, 263-71	8.4	100
240	Effect of gasification biochar application on soil quality: Trace metal behavior, microbial community, and soil dissolved organic matter. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 684-694	12.8	100
239	Biodegradation of methylene blue dye in a batch and continuous mode using biochar as packing media. <i>Environmental Research</i> , <b>2019</b> , 171, 356-364	7.9	99
238	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , <b>2018</b> , 252, 76-82	11	99
237	Biorenewable hydrogen production through biomass gasification: A review and future prospects. <i>Environmental Research</i> , <b>2020</b> , 186, 109547	7.9	99
236	Fabrication of sustainable manganese ferrite modified biochar from vinasse for enhanced adsorption of fluoroquinolone antibiotics: Effects and mechanisms. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136079	10.2	98
235	Bamboo- and pig-derived biochars reduce leaching losses of dibutyl phthalate, cadmium, and lead from co-contaminated soils. <i>Chemosphere</i> , <b>2018</b> , 198, 450-459	8.4	97
234	A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge. <i>Journal of Cleaner Production</i> , <b>2021</b> , 305, 127143	10.3	97
233	Concurrent adsorption and micro-electrolysis of Cr(VI) by nanoscale zerovalent iron/biochar/Ca-alginate composite. <i>Environmental Pollution</i> , <b>2019</b> , 247, 410-420	9.3	97
232	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120678	10.3	93
231	Effects of calcium carbonate on pyrolysis of sewage sludge. <i>Energy</i> , <b>2018</b> , 153, 726-731	7.9	92
230	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14797-14814	10.3	92
229	Exploring the arsenic removal potential of various biosorbents from water. <i>Environment International</i> , <b>2019</b> , 123, 567-579	12.9	89
228	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , <b>2017</b> , 182, 31-39	8.4	87
227	Biochar-induced metal immobilization and soil biogeochemical process: An integrated mechanistic approach. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134112	10.2	87
226	Green synthesis of nanoparticles for the remediation of contaminated waters and soils: Constituents, synthesizing methods, and influencing factors. <i>Journal of Cleaner Production</i> , <b>2019</b> , 226, 540-549	10.3	86
225	Enhanced adsorption performance and governing mechanisms of ball-milled biochar for the removal of volatile organic compounds (VOCs). <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123842	14.7	86

224	Green remediation and recycling of contaminated sediment by waste-incorporated stabilization/solidification. <i>Chemosphere</i> , <b>2015</b> , 122, 257-264	8.4	85
223	Antibiotics in the agricultural soils from the Yangtze River Delta, China. <i>Chemosphere</i> , <b>2017</b> , 189, 301-308	8.4	85
222	Biochar-based adsorbents for carbon dioxide capture: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 119, 109582	16.2	81
221	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , <b>2017</b> , 176, 315-323	8.4	80
220	Characterization of bioenergy biochar and its utilization for metal/metalloid immobilization in contaminated soil. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 704-713	10.2	80
219	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2016</b> , 137, 861-870	10.3	80
218	Highly efficient removal of thallium in wastewater by MnFeO-biochar composite. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123311	12.8	80
217	Selective dissolution followed by EDDS washing of an e-waste contaminated soil: Extraction efficiency, fate of residual metals, and impact on soil environment. <i>Chemosphere</i> , <b>2017</b> , 166, 489-496	8.4	79
216	Customised fabrication of nitrogen-doped biochar for environmental and energy applications. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126136	14.7	78
215	Contrasting impacts of pre- and post-application aging of biochar on the immobilization of Cd in contaminated soils. <i>Environmental Pollution</i> , <b>2018</b> , 242, 1362-1370	9.3	78
214	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 679-688	10.2	77
213	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. <i>Science of the Total Environment</i> , <b>2019</b> , 672, 551-562	10.2	77
212	Biofiltration of hydrogen sulfide: Trends and challenges. <i>Journal of Cleaner Production</i> , <b>2018</b> , 187, 131-147	10.3	75
211	Degradation of antibiotics by modified vacuum-UV based processes: Mechanistic consequences of HO and KSO in the presence of halide ions. <i>Science of the Total Environment</i> , <b>2019</b> , 664, 312-321	10.2	75
210	Optimizing the synthesis of Fe/Al (Hydr)oxides-Biochars to maximize phosphate removal via response surface model. <i>Journal of Cleaner Production</i> , <b>2019</b> , 237, 117770	10.3	74
209	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 316-325	6.7	74
208	Surface-modified biochar in a bioretention system for Escherichia coli removal from stormwater. <i>Chemosphere</i> , <b>2017</b> , 169, 89-98	8.4	73
207	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , <b>2019</b> , 83, 161-170	8.6	73

206	Phosphoric acid-activated wood biochar for catalytic conversion of starch-rich food waste into glucose and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , <b>2018</b> , 267, 242-248	11	72
205	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO utilization. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1321-1327	10.2	71
204	A critical review of risks, characteristics, and treatment strategies for potentially toxic elements in wastewater from shale gas extraction. <i>Environment International</i> , <b>2019</b> , 125, 452-469	12.9	69
203	A novel electrochemical modification combined with one-step pyrolysis for preparation of sustainable thorn-like iron-based biochar composites. <i>Bioresource Technology</i> , <b>2019</b> , 274, 379-385	11	69
202	Spatial distribution, emission source and health risk of parent PAHs and derivatives in surface soils from the Yangtze River Delta, eastern China. <i>Chemosphere</i> , <b>2017</b> , 178, 301-308	8.4	67
201	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. <i>Journal of Cleaner Production</i> , <b>2018</b> , 199, 69-76	10.3	67
200	Ciprofloxacin adsorption on graphene and granular activated carbon: kinetics, isotherms, and effects of solution chemistry. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 3094-102	2.6	65
199	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO <sub>2</sub> gas. <i>Cement and Concrete Composites</i> , <b>2020</b> , 106, 103489	8.6	65
198	Roles of biochar-derived dissolved organic matter in soil amendment and environmental remediation: A critical review. <i>Chemical Engineering Journal</i> , <b>2021</b> , 424, 130387	14.7	65
197	Mixture design and treatment methods for recycling contaminated sediment. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 623-32	12.8	64
196	Sustainable soil use and management: An interdisciplinary and systematic approach. <i>Science of the Total Environment</i> , <b>2020</b> , 729, 138961	10.2	64
195	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , <b>2018</b> , 29, 2162-2171	4.4	64
194	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 390, 121649	12.8	63
193	Gasification biochar from biowaste (food waste and wood waste) for effective CO adsorption. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 121147	12.8	62
192	Tailored design of graphitic biochar for high-efficiency and chemical-free microwave-assisted removal of refractory organic contaminants. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125505	14.7	61
191	Mechanistic insights into red mud, blast furnace slag, or metakaolin-assisted stabilization/solidification of arsenic-contaminated sediment. <i>Environment International</i> , <b>2019</b> , 133, 105247	12.9	60
190	Recent advances in mechanochemical production of chemicals and carbon materials from sustainable biomass resources. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 130, 109944	16.2	59
189	Soil stabilisation using AMD sludge, compost and lignite: TCLP leachability and continuous acid leaching. <i>Chemosphere</i> , <b>2013</b> , 93, 2839-47	8.4	59

188	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , <b>2018</b> , 232, 375-384	9.3	58
187	Sludge-Derived Biochar for Arsenic(III) Immobilization: Effects of Solution Chemistry on Sorption Behavior. <i>Journal of Environmental Quality</i> , <b>2015</b> , 44, 1119-26	3.4	58
186	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 147-154	10.2	57
185	Enhanced adsorption of arsenic onto alum sludge modified by calcination. <i>Journal of Cleaner Production</i> , <b>2018</b> , 176, 54-62	10.3	57
184	Upcycling wood waste into fibre-reinforced magnesium phosphate cement particleboards. <i>Construction and Building Materials</i> , <b>2018</b> , 159, 54-63	6.7	57
183	Porous biochar composite assembled with ternary needle-like iron-manganese-sulphur hybrids for high-efficiency lead removal. <i>Bioresource Technology</i> , <b>2019</b> , 272, 415-420	11	56
182	Interaction with low molecular weight organic acids affects the electron shuttling of biochar for Cr(VI) reduction. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 378, 120705	12.8	55
181	Red mud-enhanced magnesium phosphate cement for remediation of Pb and As contaminated soil. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123317	12.8	55
180	A critical review on performance indicators for evaluating soil biota and soil health of biochar-amended soils. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 414, 125378	12.8	55
179	Soil lead immobilization by biochars in short-term laboratory incubation studies. <i>Environment International</i> , <b>2019</b> , 127, 190-198	12.9	54
178	Green immobilization of toxic metals using alkaline enhanced rice husk biochar: Effects of pyrolysis temperature and KOH concentration. <i>Science of the Total Environment</i> , <b>2020</b> , 720, 137584	10.2	54
177	Removal of lead by rice husk biochars produced at different temperatures and implications for their environmental utilizations. <i>Chemosphere</i> , <b>2019</b> , 235, 825-831	8.4	54
176	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 452-462	10.3	54
175	Mechanisms of Pb and/or Zn adsorption by different biochars: Biochar characteristics, stability, and binding energies. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 136894	10.2	52
174	Using incinerated sewage sludge ash to improve the water resistance of magnesium oxychloride cement (MOC). <i>Construction and Building Materials</i> , <b>2017</b> , 147, 519-524	6.7	51
173	Sustainable gasification biochar as a high efficiency adsorbent for CO <sub>2</sub> capture: A facile method to designer biochar fabrication. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 124, 109785	16.2	51
172	Comparative analysis biochar and compost-induced degradation of di-(2-ethylhexyl) phthalate in soils. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 987-993	10.2	51
171	Weathering of microplastics and interaction with other coexisting constituents in terrestrial and aquatic environments. <i>Water Research</i> , <b>2021</b> , 196, 117011	12.5	51



170	Integrating EDDS-enhanced washing with low-cost stabilization of metal-contaminated soil from an e-waste recycling site. <i>Chemosphere</i> , <b>2016</b> , 159, 426-432	8.4	50
169	Recycling contaminated sediment into eco-friendly paving blocks by a combination of binary cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2017</b> , 164, 1279-1288	10.3	50
168	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 122005	12.8	49
167	Thallium isotopic fractionation in industrial process of pyrite smelting and environmental implications. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121378	12.8	49
166	Potential impact of flowback water from hydraulic fracturing on agricultural soil quality: Metal/metalloid bioaccessibility, Microtox bioassay, and enzyme activities. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 1419-1426	10.2	48
165	Insights into the oxidation of organic contaminants by iron nanoparticles encapsulated within boron and nitrogen co-doped carbon nanoshell: Catalyzed Fenton-like reaction at natural pH. <i>Environment International</i> , <b>2019</b> , 128, 77-88	12.9	48
164	Waste-derived compost and biochar amendments for stormwater treatment in bioretention column: Co-transport of metals and colloids. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121243	12.8	48
163	Emerging risks of toxic metal(loid)s in soil-vegetables influenced by steel-making activities and isotopic source apportionment. <i>Environment International</i> , <b>2021</b> , 146, 106207	12.9	48
162	Ageing effects on chemical transformation and metal(loid) removal by entrapped nanoscale zero-valent iron for hydraulic fracturing wastewater treatment. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 498-507	10.2	47
161	Life-cycle assessment on food waste valorisation to value-added products. <i>Journal of Cleaner Production</i> , <b>2018</b> , 199, 840-848	10.3	47
160	Mechanisms of U(VI) removal by biochar derived from <i>Ficus microcarpa</i> aerial root: A comparison between raw and modified biochar. <i>Science of the Total Environment</i> , <b>2019</b> , 697, 134115	10.2	46
159	Temporal sedimentary record of thallium pollution in an urban lake: An emerging thallium pollution source from copper metallurgy. <i>Chemosphere</i> , <b>2020</b> , 242, 125172	8.4	46
158	Combined application of EDDS and EDTA for removal of potentially toxic elements under multiple soil washing schemes. <i>Chemosphere</i> , <b>2018</b> , 205, 178-187	8.4	45
157	Effects of atmospheric ageing under different temperatures on surface properties of sludge-derived biochar and metal/metalloid stabilization. <i>Chemosphere</i> , <b>2017</b> , 184, 176-184	8.4	44
156	Chelant-enhanced washing of CCA-contaminated soil: Coupled with selective dissolution or soil stabilization. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 1463-1472	10.2	44
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149	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , <b>2018</b> , 196, 9-17	8.4	40
148	Removal of U(VI) from nuclear mining effluent by porous hydroxyapatite: Evaluation on characteristics, mechanisms and performance. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112891	9.3	40
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146	Comparing biochar- and bentonite-supported Fe-based catalysts for selective degradation of antibiotics: Mechanisms and pathway. <i>Environmental Research</i> , <b>2020</b> , 183, 109156	7.9	38
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